INSTRUCTION BOOK FOR

Boardroom Electrol®

DA-LITE®

Important Safety Instructions

When using your video equipment, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.
2. Position the cord so that it will not be tripped over, pulled, or contact hot surfaces.
3. If an extension cord is necessary, a cord with a current rating at least equal to that of the appliance should be used. Cords rated for less amperage than the appliance may overheat.
4. To reduce the risk of electric shock, do not disassemble this appliance. Contact an authorized service dealer when repair work is required. Incorrect reassembly can cause electric shock when the appliance is used subsequently.
5. The use of an accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock, or injury to persons.

Save These Instructions

Pre-Installation

1. Carefully unpack screen and remove outer wrapping from case.
2. Make sure to recheck measurement of screen location before installation.
3. Remove center support brackets (on 8' and wider screens only), reverse brackets and reinstall flush with the top of the box.

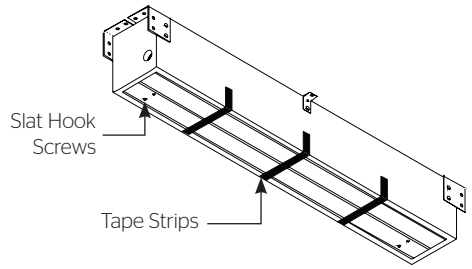


Figure 1

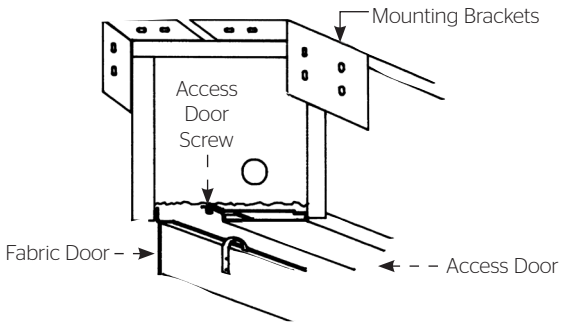


Figure 2

Installation

NOTE: Unit is not to be installed in air handling space.

1. Install screen by raising unit into position between joists at one end only. Install one lag screw or appropriate fastener in each mounting bracket. Secure opposite end. Secure center support brackets. Install sufficient fasteners in each bracket for secure installation.
2. Make sure unit is level and plumb.

⚠ **CAUTION! Do not secure access door or seal in unit until screen has been secured in position and properly tested for satisfactory operation. Do not fit unit so tightly that the screen surface drop door binds. Door drops by gravity only.**

⚠ **ATTENTION! Ne fixez pas la trappe d'accès ou ne scellez pas l'unité jusqu'à ce qu'il ait été correctement mis en place et qu'il fonctionne convenablement. Ne serrez pas l'unité au point que la surface de la trappe d'accès de l'écran soit bloquée. La trappe tombe uniquement à cause de la gravité.**

3. If you are going to cover screen door with paneling or other materials, allow access (suitable holes or plug) to slat hook screws (4) when servicing (Fig. 1).
4. Open access door by removing access door screws.
5. Remove junction box cover plate.

6. Remove switch assembly (boxed, located at pin end of fabric).

⚠ CAUTION! Do not cut wrapping paper or tape with knife or any sharp tool. Remove by hand.

⚠ ATTENTION! Ne coupez pas le ruban adhésif sur la toile avec un couteau ou un outil tranchant. Retirez à la main.

7. Pull orange string to remove wrapping paper.
8. Install electrical hook up that applies to your unit. Standard installation is for a single 120VAC or 240VAC wall switch to control the screen. Optional Control units may have been ordered. Refer to additional instructions for the external VPI, external low voltage control and SCB-100. Refer to the appropriate wiring diagram for your screen.

   NOTE: Screen has been internally wired at DA-LITE. Wiring designated "external" is completed by installer conforming to local and national codes.
9. Lower picture surface approximately 4"-6" so that the slat will rest on top of the slat hooks. Guide slat past hooks by gently pulling fabric forward (Fig. 3). Do not bend hooks.
10. Test installation by carefully running picture surface up and down 2-3 times. Be prepared to stop screen. Standard Duty Cycle: 1 MIN. ON / 3 MIN. OFF.
11. Run the picture surface upward. The surface door will automatically close when the picture surface rolls into the case. The ends of the slat will catch the two hooks on the surface door and pull the door closed. When the door closes, a limit switch is tripped and the motor shuts off.

⚠ CAUTION! Excessive continuous operation may cause overheating.

⚠ ATTENTION! Le fonctionnement continu et excessif peut provoquer une surchauffe.

12. Run picture surface downward until picture surface door fully opens.
13. Install junction box cover plate.
14. Close access door and reinstall screws at each end of access door.

⚠ CAUTION! Do not attempt to restore a lost wrap by adjusting limit switches. Allow one-eighth of an inch (1/8") clearance around surface door. Make sure door does not bind. Check hinges. Paint or tile cement will interfere with free operation. Gravity drops door.

⚠ ATTENTION! N'essayez pas de réintégrer un tour de toile en réglant les interrupteurs de limite! Laissez un espace 0,30 cm (1/8 po) autour de la trappe. Vérifiez que la trappe n'est pas entravée. Vérifiez les gonds. La peinture ou le ciment à tuile nuira au bon fonctionnement. La gravité fait tomber la trappe.

15. Complete installation by painting and finishing to suit your needs. Finish to allow access door to be removed if necessary.

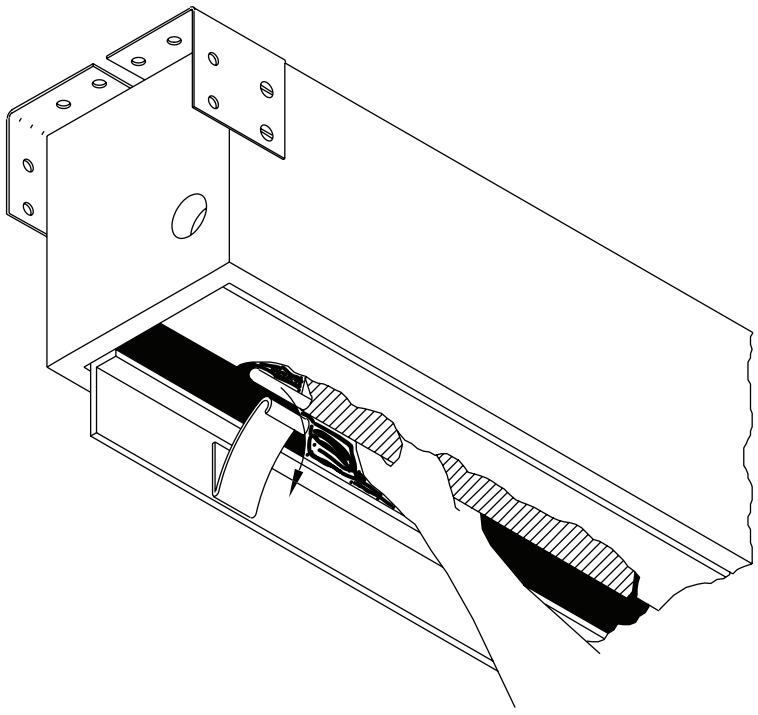
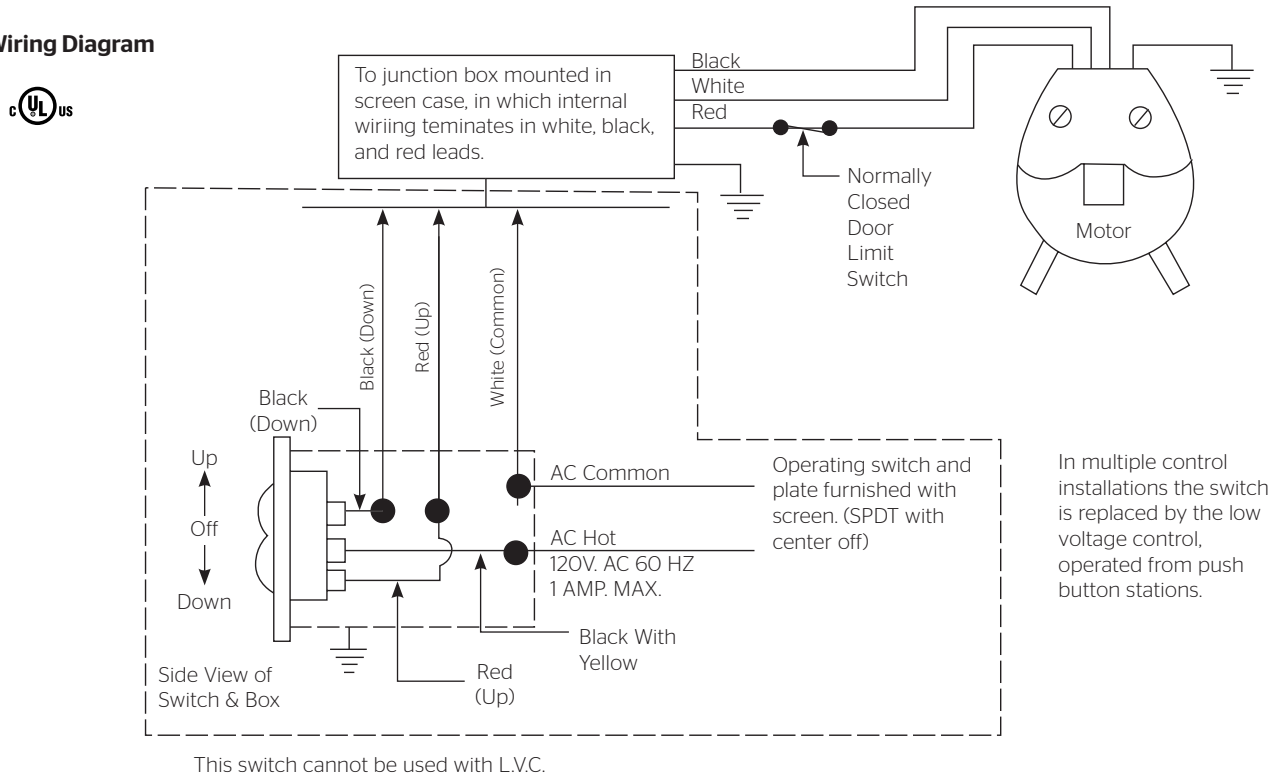


Figure 2

Boardroom Electrol® Installation 120V Screens

120V Wiring Diagram


To junction box mounted in screen case, in which internal wiriing teminates in white, black, and red leads.
Black
White
Red
Normally Closed Door Limit Switch
Motor
Black (Down)
Red (Up)
White (Common)
Black (Down)
Up
Off
Down
AC Common
AC Hot
120V. AC 60 HZ
1 AMP. MAX.
Operating switch and plate furnished with screen. (SPDT with center off)
Black With Yellow
Red (Up)
Side View of Switch & Box
In multiple control installations the switch is replaced by the low voltage control, operated from push button stations.

This switch cannot be used with L.V.C.

NOTE: A single switch cannot be used to operate more than one screen. Contact the factory for further information.

Screen Adjustment For 120V Screens

Surface travel is stopped automatically in the fully opened and closed positions by limit switches that are properly adjusted at Da-Lite. Should it be necessary to adjust for more or less drop of picture, proceed in the following manner:

NOTE: Use a screw driver or 5/32" allen wrench to make adjustments.

More screen drop

1. Place operating switch in “down” position.
2. When the screen stops, turn the white “down” limit knob (Fig.4) one-quarter turn counterclockwise. Test by raising picture surface approximately two feet, then lower again. Repeat until desired picture surface position is attained.

Less screen drop

1. Raise picture surface approximately two feet above desired level.
2. Place operating switch in “off” position.
3. Turn the white “down” limit knob (Fig.4) one-quarter turn clockwise. Test by raising picture surface approximately two feet, then lower again. Repeat until desired picture surface position is attained.

⚠ CAUTION! Do not adjust for more drop than what was ordered. At least 1-1/2 wraps of fabric must remain on the roller. This screen comes standard with 0" or 2" black at the top. See the specification data sheet for details.

⚠ ATTENTION! N'effectuez pas de réglage pour obtenir un déroulement supérieur à celui commandé. Au moins 1 à 1/2 tour de toile doit être maintenu sur le cylindre. Cet écran est doté de série d'une bande noire supérieure de 0 cm (0 po) ou 5 cm (2 po). Consultez la fiche technique pour plus de renseignements.

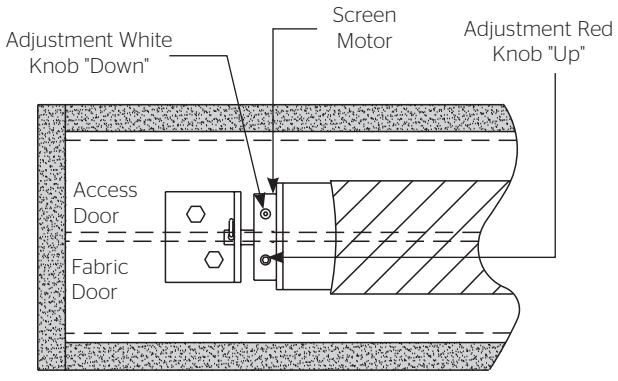


Figure 4

240 Volt Wiring Diagram for Standard Wall Switch:

Da-Lite offers two styles of 240 volt wall switches for standard operation. Please see wiring diagram included in wall switch box included with screen.

Screen Adjustment For 220/240V Screens

Surface travel is stopped automatically in the fully opened and closed positions by limit switches that are properly adjusted at Da-Lite. Should it be necessary to adjust for more or less drop of picture, proceed in the following manner:

NOTE: Use a screw driver or 5/32" allen wrench to make adjustments.

More screen drop

1. Place operating switch in “down” position.
2. When the screen stops, turn the white “down” limit knob (Fig.5) one-quarter turn counterclockwise. Test by raising picture surface approximately two feet, then lower again. Repeat until desired picture surface position is attained.

Less screen drop

1. Raise picture surface approximately two feet above desired level.
2. Place operating switch in “off” position.
3. Turn the white “down” limit knob (Fig.5) one-quarter turn clockwise. Test by raising picture surface approximately two feet, then lower again. Repeat until desired picture surface position is attained.

⚠ CAUTION! Do not adjust for more drop than what was ordered. At least 1-1/2 wraps of fabric must remain on the roller. This screen comes standard with 0" or 2" black at the top. See the specification data sheet for details.

⚠ ATTENTION! N'effectuez pas de réglage pour obtenir un déroulement supérieur à celui commandé. Au moins 1 à 1/2 tour de toile doit être maintenu sur le cylindre. Cet écran est doté de série d'une bande noire supérieure de 0 cm (0 po) ou 5 cm (2 po). Consultez la fiche technique pour plus de renseignements.

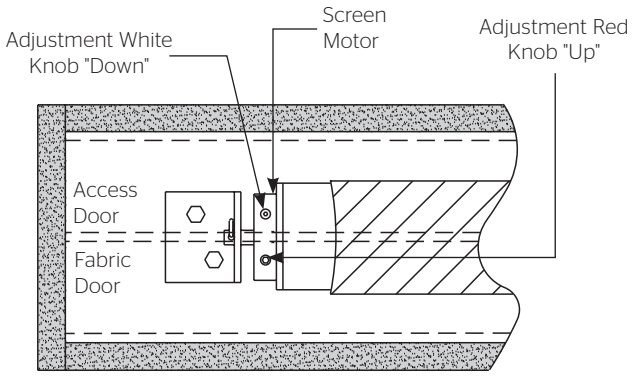
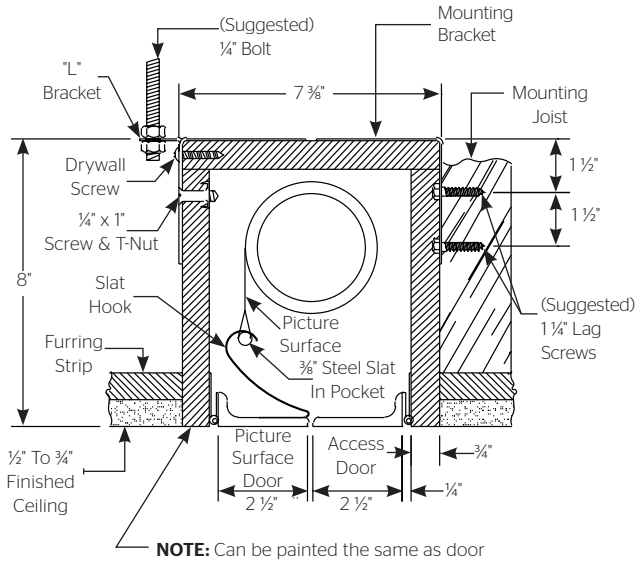


Figure 5

Boardroom Electrol® Intallation

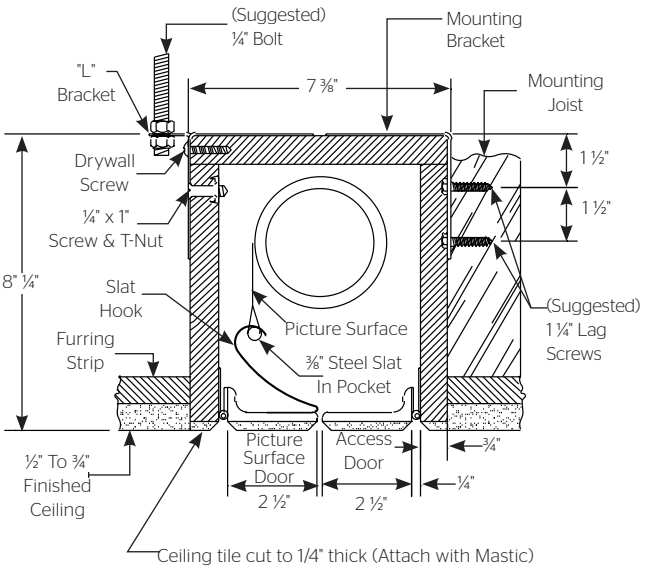
Select installation method according to ceiling type.

Method A



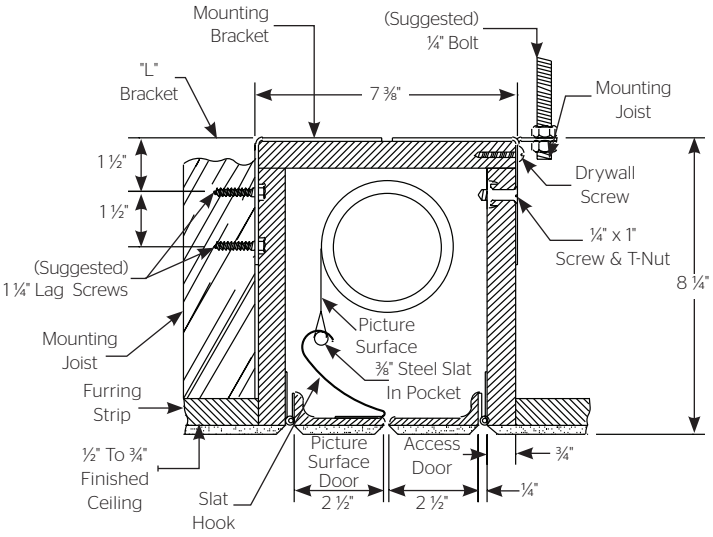
Offset mounting, recessed above ceiling. For plaster, dry wall, tile or paneling. Doors and bottom of case painted same finish as ceiling.

Method B



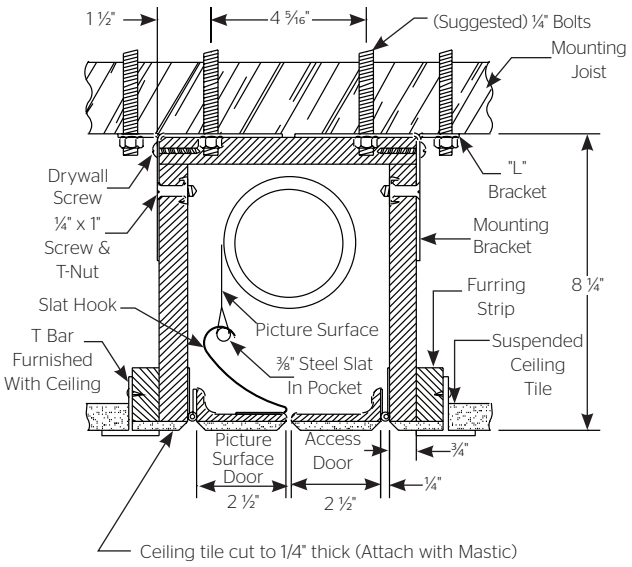
Offset mounting, recessed above ceiling. May be adapted for 1/2" to 3/4" ceiling, but cut to 1/4" thick under doors and screen case.

Method C



Flush mounting, recessed above ceiling. May be adapted for 1/4" paneling for ceiling and doors.

Method D



Flush mounting, recessed above ceiling. For use with dropped ceiling. May also be adapted for use with acoustical or other ceiling 1/2" to 3/4" thick but cut to 1/4" thick under doors and screen case.

Troubleshooting

Visit www.da-lite.com/products/tutorials.php to find installation and troubleshooting tutorials. You will also find a link to Live Chat for interactive support and you can contact us by email at info@da-lite.com or by phone at (800) 622-3737 or (574) 267-8101 with any troubleshooting questions.

Symptom	Cause	Solution
Screen will not operate or will not go "down". Motor does not hum.	Blown fuse.	Replace fuse.
	Tripped circuit breaker.	Reset circuit.
	No power to operating switch or junction box.	Check above. Tighten all loose wire connections. Recheck wiring. See installation instructions.
	Insufficient line voltage (must be at least 115V or 220V, depending on motor type).	Correct line voltage. "Down" Position Check for power across black and white leads.
	Power at junction box Thermal overload tripped.	Let motor cool down for 15 minutes. Try again.
	Broken wire in the "down" position.	Check for continuity.
	Defective motor, limit switch or capacitor.	Replace motor assembly. NOTE: Motor is a sealed assembly.
Motor hums.	Capacitor burned out.	Replace motor assembly.
Screen will not move upward. Motor does not hum.	Blown fuse.	Replace fuse.
	Tripped circuit breaker.	Reset circuit breaker.
	No power to operating switch or junction box.	Check above. Tighten all loose wire connections. See above. "Up" Position Check for power across red and white leads.
	Insufficient line voltage (must be at least 115V or 220V, depending on motor type).	Correct line voltage.
	Open door micro switch.	Replace micro switch.
	Power at junction box Thermal overload tripped.	Let motor cool down for 15 minutes. Try again.
	Broken wire in the "up" position.	Check for continuity.
	Defective motor, limit switch or capacitor.	Replace motor assembly. NOTE: Motor is a sealed assembly.
Motor hums.	Capacitor burned out.	Replace motor assembly.

Troubleshooting

Symptom	Cause	Solution
Door will not open	Hinge is bound or has a foreign substance on it which does not allow it to open by gravity..	Check installation to free door. Clear any foreign substance; i.e., paint or plaster from hinge.
	Slat hooks catch on access door..	Adjust slat hooks. Door can be opened by removing four screws holding slat hooks to door. Access should be provided to these screws during and after installation.
Door does not close tightly.	"Up" limit switch in motor is out of adjustment.	NOTE: This switch is not normally used when operating screen. Motor automatically shuts off if fabric does not close fabric door. If adjustment allows motor to shut off too soon, it will leave fabric door open. Adjust black limit switch clockwise (towards +).
"Down" limit switch incorrect.	"Down" limit switch out of adjustment.	See installation instructions.
Noise. **NOTE: Screen will operate with a low-pitched hum.**	Squeaking, rubber end plug rubbing on motor.	Center roller in case.
	Grinding. Foreign object in screen rubbing on roller or fabric.	Remove.
	Gear noise	Replace motor assembly..
Coasting.	Defective brake.	Replace motor assembly.
Roller displaced from mounting bracket.	Pin end slipped out of nylon bearing	Remove pin end mounting. Realign motor in tube. Reattach pin end.
Fabric door hangs down on one end.	Slat hooks not formed equally.	Bend slat hook slightly or apply tape to end of slat where door hangs. Build slat up enough to close door.
	Crooked pocket.	If not corrected by applying above, replace fabric.
Fabric hangs crooked or is rubbing on slat hook.	Screen not installed properly..	Check for level and plumb.
	Fabric has backed up inside case.	Adjust "down" limit switch slowly until roller is exposed and wrinkle comes out, then readjust for proper drop.
	Fabric is damaged.	Replace fabric.

LIMITED ONE YEAR WARRANTY ON DA-LITE PRESENTATION PRODUCTS

Milestone AV Technologies LLC warrants certain Da-Lite branded products to the original purchaser only, to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original purchaser; provided they are properly operated according to Da-Lite's instructions and are not damaged due to improper handling or treatment after shipment from the factory.

This warranty does not apply to equipment showing evidence of misuse, abuse or accidental damage, or which has been tampered with or repaired by a person other than authorized Da-Lite personnel.

Da-Lite's sole obligation under this warranty shall be to repair or to replace (at Da-Lite's option) the defective part of the merchandise. Returns for service should be made to your Da-Lite dealer. If it is necessary for the dealer to return the screen or part to Da-Lite, transportation expenses to and from Da-Lite are payable by the purchaser and Da-Lite is not responsible for damage in shipment. To protect yourself against damage or loss in transit, insure the product and prepay all transportation expenses.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES AS TO FITNESS FOR USE AND MERCHANTABILITY. Any implied warranties of fitness for use, or merchantability, that may be mandated by statute or rule of law are limited to the one (1) year warranty period. This warranty gives you specific legal rights, and you may also have other rights, which vary from state-to-state. **TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, NO LIABILITY IS ASSUMED FOR EXPENSES OR DAMAGES RESULTING FROM INTERRUPTION IN OPERATION OF EQUIPMENT, OR FOR INCIDENTAL, DIRECT, OR CONSEQUENTIAL DAMAGES OF ANY NATURE.**

In the event that there is a defect in materials or workmanship of a Da-Lite product, you may contact our Sales Partners at PO Box 137, Warsaw, IN 46581-0137, (574) 267-8101, (800) 622-3737.

IMPORTANT: THIS WARRANTY SHALL NOT BE VALID AND DA-LITE BRANDED PRODUCTS SHALL NOT BE BOUND BY THIS WARRANTY IF THE PRODUCT IS NOT OPERATED IN ACCORDANCE WITH THE DA-LITE WRITTEN INSTRUCTIONS.

Keep your sales receipt to prove the date of purchase and your original ownership.

DA-LITE®

A Milestone AV Technologies Brand

3100 North Detroit Street
Warsaw, Indiana 46582
P: 574.267.8101 or 800.622.3737
F: 574.267.7804 or 877.325.4832
E: info@da-lite.com
www.da-lite.com

DL-0173 (Rev. 1) 07.14
© 2014 Milestone AV Technologies LLC. Printed in U.S.A.